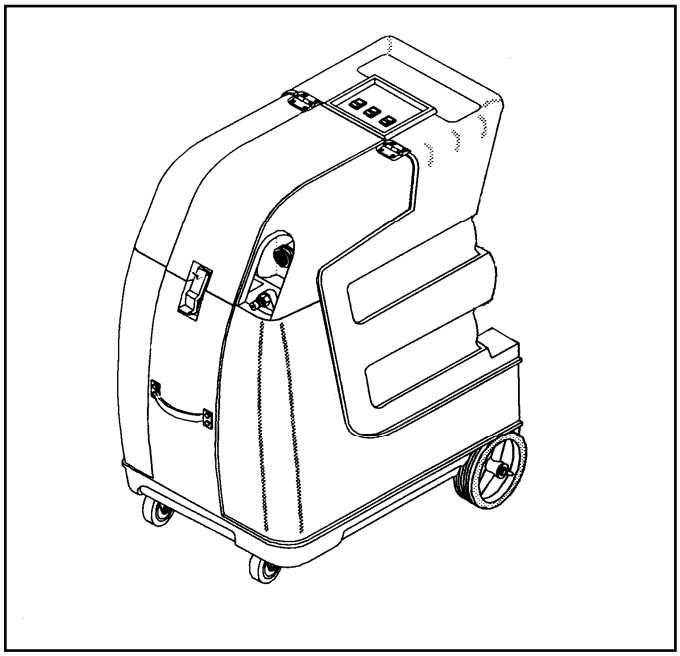
CHEYENNE PROCHEM



Operating Instructions (ENG)

MODELS: C3I 10075230 C2HI 10075200

Read instructions before operating the machine.

R

86038870 08/08/13

PRV NO. 98927

Model: _____

Date of Purchase: _____

Serial Number: _____

Dealer: _____

Address: _____

Phone Number: _____

Sales Representative: _____

Warranty Registration

Thank you for purchasing a Prochem product. Warranty registration is quick and easy. Your registration will allow us to serve you better over the lifetime of the product.
To register your product go to:

www.prochem.com/WarrantyRegistration.aspx

For customer assistance:

1-800-776-2436

PROCHEM

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HOW TO USE THIS MANUAL

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This manual contains the following sections:

- HOW TO USE THIS MANUAL
- SAFETY
- OPERATIONS
- MAINTENANCE
- PARTS LIST

The HOW TO USE THIS MANUAL section will tell you how to find important information for ordering correct repair parts.

Parts may be ordered from authorized dealers. When placing an order for parts, the machine model and machine serial number are important. Refer to the MACHINE DATA box which is filled out during the installation of your machine. The MACHINE DATA box is located on the inside of the front cover of this manual.

Model: _____

Date of Purchase: _____

Serial Number: _____

Dealer: _____

Address: _____

Phone Number: _____

Sales Representative: _____

The model and serial number of your machine is located on the inner wall of solution tank, above the pump.

The SAFETY section contains important information regarding hazard or unsafe practices of the machine. Levels of hazards is identified that could result in product or personal injury, or severe injury resulting in death.

The OPERATIONS section is to familiarize the operator with the operation and function of the machine.

The MAINTENANCE section contains preventive maintenance to keep the machine and its components in good working condition.

The PARTS LIST section contains assembled parts illustrations and corresponding parts list. The parts lists include a number of columns of information:

- **REF –** column refers to the reference number on the parts illustration.
- **PART NO.** – column lists the part number for the part.
- **PRV NO.** – reference number.
- **QTY** – column lists the quantity of the part used in that area of the machine.
- **DESCRIPTION** – column is a brief description of the part.
- **SERIAL NO. FROM** – column indicates the first machine the part number is applicable to. When the machine design has changed, this column will indicate serial number of applicable machine. The main illustration shows the most current design of the machine. The boxed illustrations show older designs. If column has an asterisk (*), call manufacturer for serial number.
- **NOTES** – column for information not noted by the other columns.

NOTE: If a service or option kit is installed on your machine, be sure to keep the KIT INSTRUCTIONS which came with the kit. It contains replacement parts numbers needed for ordering future parts.

IMPORTANT SAFETY INSTRUCTIONS

When using an electrical appliance, basic precaution must always be followed, including the following:

READ ALL INSTRUCTIONS BEFORE USING THIS MACHINE.

⚠ WARNING: **To reduce the risk of fire, electric shock, or injury:**

Use only indoors. Do not use outdoors or expose to rain.

Use only as described in this manual. Use only manufacturer's recommended components and attachments.

If the machine is **not working properly**, has been dropped, damaged, left outdoors, or dropped into water, return it to an authorized service center.

Do not operate the machine with any openings blocked. Keep openings free of debris that may reduce airflow.

This machine **is not** suitable for picking up hazardous dust.

Machine can cause a fire when operating near flammable vapors or materials. Do not operate this machine near flammable fluids, dust or vapors.

This machine is suitable for commercial use, for example in hotels, schools, hospitals, factories, shops and offices for more than normal housekeeping purposes.

Maintenance and repairs **must be done** by qualified personnel.

During operation, attention shall be paid to other persons, especially children.

When leaving unattended, secure against unintentional movement.

The machine shall only be operated by instructed and authorized persons.

When leaving unattended, switch off or lock the main power switch to prevent unauthorized use.

Do not handle the plug or machine with wet hands.

Do not unplug machine by pulling on cord. To unplug, grasp the plug, not the cord.

Do not use with damaged cord or plug. Follow all instructions in this manual concerning grounding the machine.

Do not pull or carry by cord, use cord as a handle, close a door on cord, or pull cord around sharp edges or corners.

Do not pull/run machine over cord. **Keep** cord away from heated surfaces.

Connect to a **properly** grounded outlet. See Grounding Instructions.

SAVE THESE INSTRUCTIONS

The following symbols are used throughout this guide as indicated in their descriptions:

HAZARD INTENSITY LEVEL

There are three levels of hazard intensity identified by signal words -**WARNING** and **CAUTION** and ***FOR SAFETY.*** The level of hazard intensity is determined by the following definitions:

⚠ WARNING

WARNING - Hazards or unsafe practices which COULD result in severe personal injury or death.

⚠ CAUTION

CAUTION - Hazards or unsafe practices which could result in minor personal injury or product or property damage.

FOR SAFETY: To Identify actions which must be followed for safe operation of equipment.

Report machine damage or faulty operation immediately. Do not use the machine if it is not in proper operating condition. Following is information that signals some potentially dangerous conditions to the operator or the equipment. Read this information carefully. Know when these conditions can exist. Locate all safety devices on the machine. Please take the necessary steps to train the machine operating personnel.

FOR SAFETY:

DO NOT OPERATE MACHINE:
Unless Trained and Authorized.
Unless Operation Guide is Read and understood.
In Flammable or Explosive areas.
In areas with possible falling objects.

WHEN SERVICING MACHINE:

Avoid moving parts. Do not wear loose clothing; jackets, shirts, or sleeves when working on the machine. Use manufacturer approved replacement parts.

GROUNDING INSTRUCTIONS

THIS PRODUCT IS FOR COMMERCIAL USE ONLY.

ELECTRICAL:

The amp, hertz, and voltage are listed on the data label found on each machine. Using voltages above or below those indicated on the data label will cause serious damage to the motors.

EXTENSION CORDS:

If an extension cord is used, the wire size must be at least one size larger than the power cord on the machine, and must be limited to 50 feet (15.5m) in length.

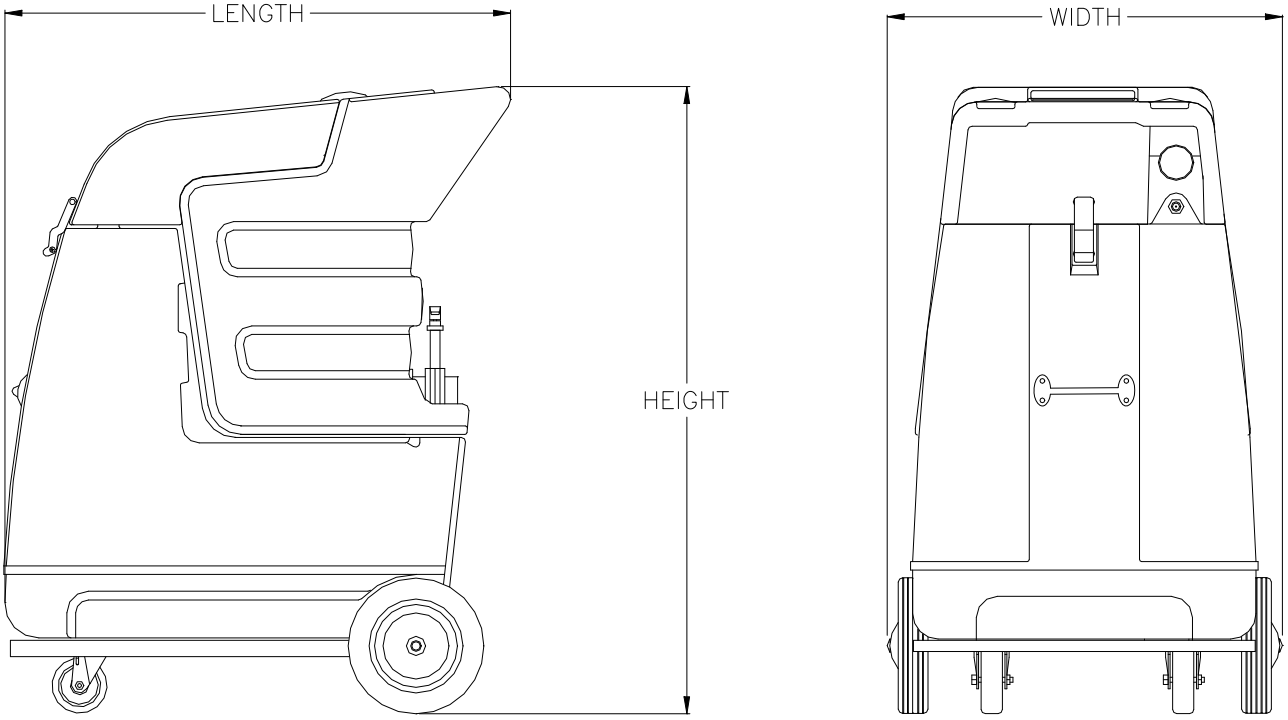
GROUNDING INSTRUCTIONS:

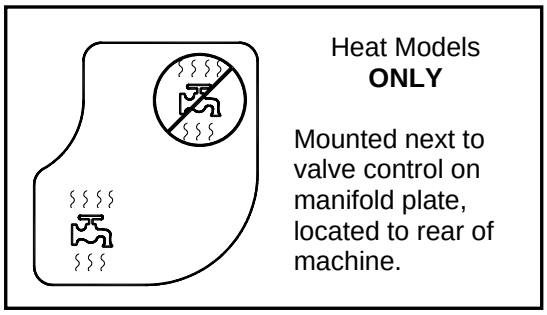
This appliance must be grounded. If it should malfunction or break down, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This appliance is equipped with a cord having an equipment-grounding conductor and grounding plug. The plug must be inserted into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.

Improper connection of the equipment-grounding conductor can result in a risk of electric shock. Check with a qualified electrician or service person if you are in doubt as to whether the outlet is properly grounded. Do not modify the plug provided with the appliance - if it will not fit the outlet, have a proper outlet installed by a qualified electrician.

TECHNICAL SPECIFICATIONS

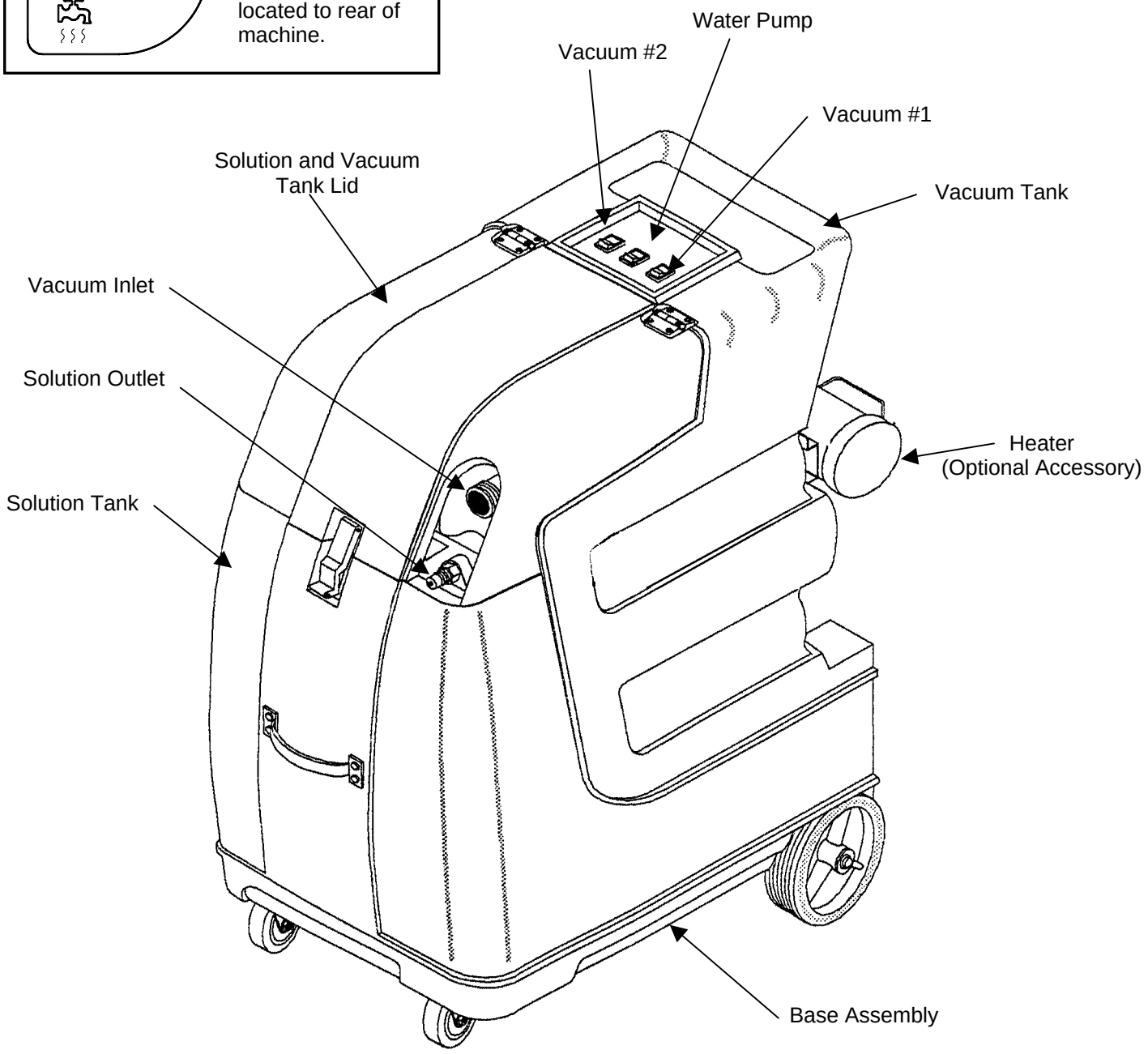
ITEM	DIMENSION/CAPACITY
Electrical	220V 50HZ
Electric Vacuum Motor	DUAL 2 STAGE (C2I, C2HI)
	DUAL 3 STAGE (C3I)
Solution Pump	100PSI
Solution Capacity	16 gal. (60.6L)
Recovery Capacity	16 gal. (60.6L)
Dimensions – Weight (Empty)	98 lbs. (44.5kgs)
Dimensions - Length	29 in. (73.6cm)
Dimensions - Height	36 in. (91.4cm)
Dimensions - Width	21 in. (53.3cm)
Power Cable	25 ft. (7.6m)





Heat Models
ONLY

Mounted next to valve control on manifold plate, located to rear of machine.



Optional Equipment:
86000600 Deluxe Professional Wand
PRV NO. 89226
86260790 Hose Asm, 2” Vac/Sol 25ft
PRV NO. 39604

MACHINE OPERATIONS

PRE-RUN INSPECTION

1. Check all fittings and connectors for proper assembly.
2. Check all hoses for leaks. Repair or replace any damaged hoses.
3. Check power cord(s) for any damage. If damaged, replace.

EQUIPMENT SET-UP

1. Plug power cord from machine into properly grounded wall outlet.
2. Turn vacuum motor switch on and off to make sure there is electrical power at machine.
3. Connect vac hose to machine. Slide the swivel cuff over the outlet on the tank.
4. Connect the hose to your machine and wand. Pull back the knurled collar on the quick disconnect coupler and push onto the connection on the chassis. To avoid leaks, check to be that a positive connection was made.
5. Pour clean, hot water into the solution tank. **To avoid possible tank distortion, water temperature must not exceed 140 F (60C).**
6. Add a non-foaming cleaning solution concentrate, for use in hot water extractors at the proportions noted on the container (See list below), into solution tank.
7. Turn pump and vacuum switch(s) to the on position.
8. Start cleaning.

⚠ WARNING

To prevent possible disease hazard, before attempting to clean bodily fluids spills, you must kill any viruses, germs or bacteria present in the bodily fluid.

SUITABLE CHEMICALS	**INCOMPATIBLE CHEMICALS**
Alkalis	Aldehydes
Clorox II Bleach*	Aromatic Hydrocarbons
Defoaming Agents	Butyls
Detergents	Carbon Tetrachloride
Hydroxides	Clorox*
Oxygen Bleaches	Chlorinated Bleaches
Soaps	Chlorinated Hydrocarbons
Sta-Puf Fabric	D-Limonene
Softener*	Lysol*
Vinegar	Methyls (MEK)
	Perchlorethylene (perc)
	Phenols
	Trichlorethylene

*Registered Trademark

CLEANING & EMPTYING TANKS

⚠ WARNING

Always use defoamer if foaming occurs. Foam will suspend large particles which may damage vacuum as well as allow liquid into the vacuum motor without activating the float shutoff.

1. Before proceeding, make certain that the nozzle is functioning properly.
   a. To check, hold the wand about one foot above the surface to be cleaned and open the wand valve. A full spray should be observed from the nozzle.
   b. If the nozzle is not showing a full spray pattern, adjust nozzle for proper pattern, clean, or replace nozzle.
2. Normally, chemical is applied on the ***push*** stroke while vacuuming is done on the ***pull*** stroke. For heavily soiled carpets the hand tool may be used in the scrubbing manner, applying chemical in both the push and pull stroke. **ALWAYS FINISH UP AN AREA WITH A VACUUM PULL STROKE.**
3. When cleaning, keep the working opening (wand mouth) flat on the surface being cleaned. Keep the wand moving when the valve is open.
4. The shutoff float inside the recovery tank will impede the vacuum flow when the tank is full. When this occurs, empty the recovery tank. Do this by opening the dump valve located at the back of the machine. **NOTE:** *Dispose of waste in a proper manner which would not violate any Local, State or Federal law.*
5. Once the recovery tank has been emptied, you may once again proceed with cleaning

⚠ CAUTION

Operating Vacuum after shutoff has activated could draw water directly into the vac motor. This will cause damage to the motor, therefore voiding your warranty.

⚠ CAUTION

ALWAYS TEST CARPET FOR COLOR FASTNESS IN AN INCONSPICUOUS PLACE. Also, to avoid prolonged drying times, do not spray too much solution in any one area.

⚠ WARNING

Before making any adjustments or performing any maintenance to your machine, disconnect the power cord from the electrical source.

SHUT DOWN AND STORAGE

1. Turn Switch OFF. Empty recovery tank completely and rinse several times to remove any dirt or debris that may be left behind.
2. Drain any unused cleaning solution from solution tank and rinse with clean water to remove any suds left behind by the cleaning chemicals.
   NOTE: *Dispose of waste in a proper manner which would not violate any Local, State or Federal law*
3. Run a small amount of clean water through pump if chemicals were used. This will help insure the life of your pump.
4. Check the spray jet on the cleaning tool for full spray pattern and inspect vac head for any obstructions.
5. Remove as much moisture from system before storing in cold climates. Excess water may freeze during storage and crack internal components, causing damage to the unit.

MAINTENANCE

DAILY MAINTENANCE

⚠ WARNING: Unplug power cord(s) before servicing or making any repairs.

1. Flush the entire system, including floor tool, hand tool, etc., with 1 to 3 gallons of clean, hot water.
2. Vacuum out the solution tank.
3. Rinse tank with fresh water. Periodically inspect the recovery tank and decontaminate if necessary, using a Hospital Grade Virucide or a 1-10 bleach to water solution. Wastewater should be disposed of properly.
4. Occasionally check filter screen at the bottom of the solution tank and rinse clean with hot water if necessary.
5. Inspect hoses for wear. Frayed or cracked hoses should be replaced to avoid vacuum or solution pressure loss.
6. Inspect power cord for wear or damage. This cable will lie on wet carpet. To prevent electrical shock replace cords that are frayed or have cracked insulation immediately.
7. Clean all dirt and obstructions from drain valve and gaskets to prevent possible leakage and premature wear.
8. Run clean water through solution pump when work is complete.
9. Empty both tanks and rinse, run vacuum (s) for at least one minute to dry motor(s).
10. Store with access covers removed to allow tanks to dry.

PERIODIC MAINTENANCE

1. Twice a month, flush a white vinegar solution (one quart vinegar to two gallons water) or anti-browning solution (mixed as directed) through the extractor. This will prevent build-up of alkaline residue in the system.

2. If spray jet becomes clogged, remove the spray tip, wash it thoroughly, and blow dry. **NOTE**: **DO NOT USE PINS, WIRE, ETC. TO CLEAN NOZZLE AS THIS COULD DESTROY THE SPRAY PATTERN.**

3. Apply silicone lubricant to solution nipple.

4. Periodically inspect all hoses, electrical cable and connections on your machine. Frayed or cracked hoses should be repaired or replaced to eliminate vacuum or solution pressure loss. If the cable insulation on the power cord is broken or frayed, repair or replace immediately. Don't take chances with electrical fire or shock.

5. Clean outside of all tanks and check for damage.

MONTHLY MAINTENANCE

1. Check all bearings for noise and wear.
2. Check all gaskets for wear and leakage.
3. Check pump pressure; observe spray pattern and check gauge if necessary.
4. Check overall performance of machine.

SEMI-ANNUALLY

1. Check vacuum motor brushes***.***

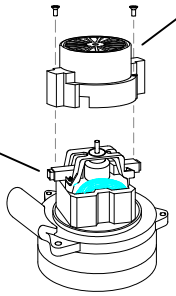
LUBRICATION

For hose fitting lubrication, use a light silicone lubricant which will not damage o-rings.

STORAGE

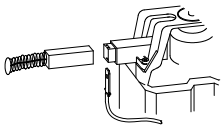
Thoroughly clean machine if it is to be stored. Protect this machine from freezing while in storage.

Vacuum Motor Carbon Brushes Replacement (Windsor)

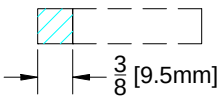


WARNING: ***The green ground wire must be attached for safe operation. See wiring diagram.***

If armature commutator is grooved, extremely pitted or not concentric, the motor will need to be replaced or sent to a qualified service center.

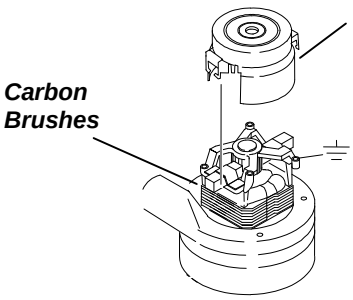


Important:
These brushes wear quicker as the length shortens due to increased heat. Spring inside brush housing will damage motor if brushes are allowed to wear away completely.



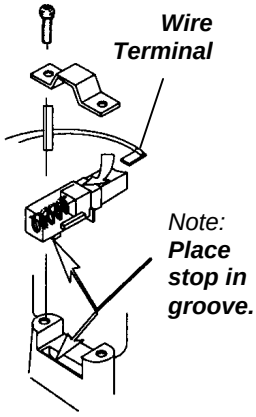
Periodically check the length of the carbon brushes. Replace both carbon brushes when either is less than 3/8" (9.5mm) long.

Vacuum Motor Carbon Brushes Replacement (Ametek)

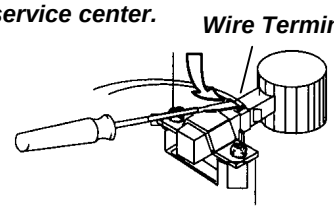


WARNING: ***The green ground wire must be attached for safe operation. See wiring diagram.***

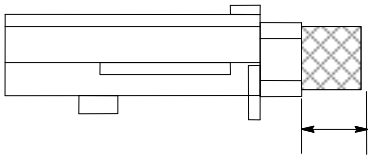
Note: ***When replacing carbon brushes loosen wire terminal*** *BEFORE* ***removing screws on bracket.***



If armature commutator is grooved, extremely pitted or not concentric, the motor will need to be replaced or sent to a qualified service center.



Important:
These brushes wear quicker as the length shortens due to increased heat. Spring inside brush housing will damage motor if brushes are allowed to wear away completely.



Periodically check the length of the carbon brushes. Replace both carbon brushes when either is less than 3/8" (9.5mm) long.

⚠ WARNING: ***Only qualified maintenance personnel are to perform the following repairs.***

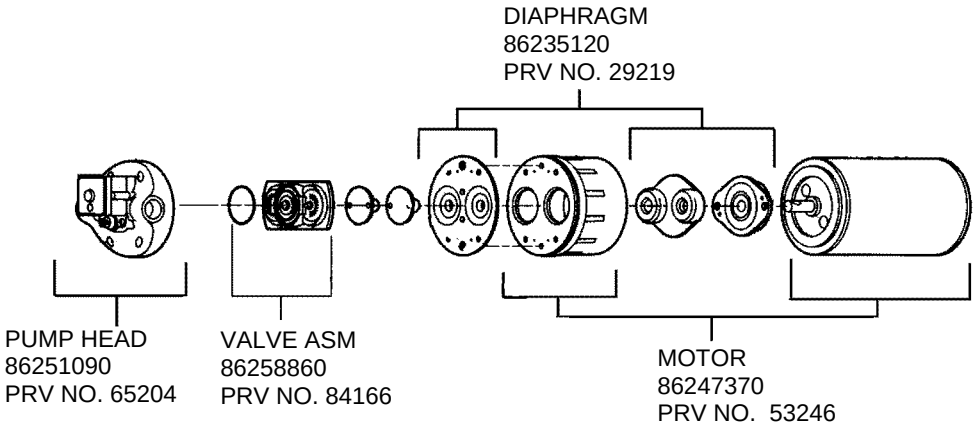
SOLUTION PUMP REPLACEMENT

1. Turn off all switches and unplug the machine.
2. Tip recovery tank to gain access to solution tank.
3. Remove solution hoses from fittings on pump. Disconnect wires.
4. Remove the screws that fasten the pump to the frame.
5. Reverse process to install new replacement pump.

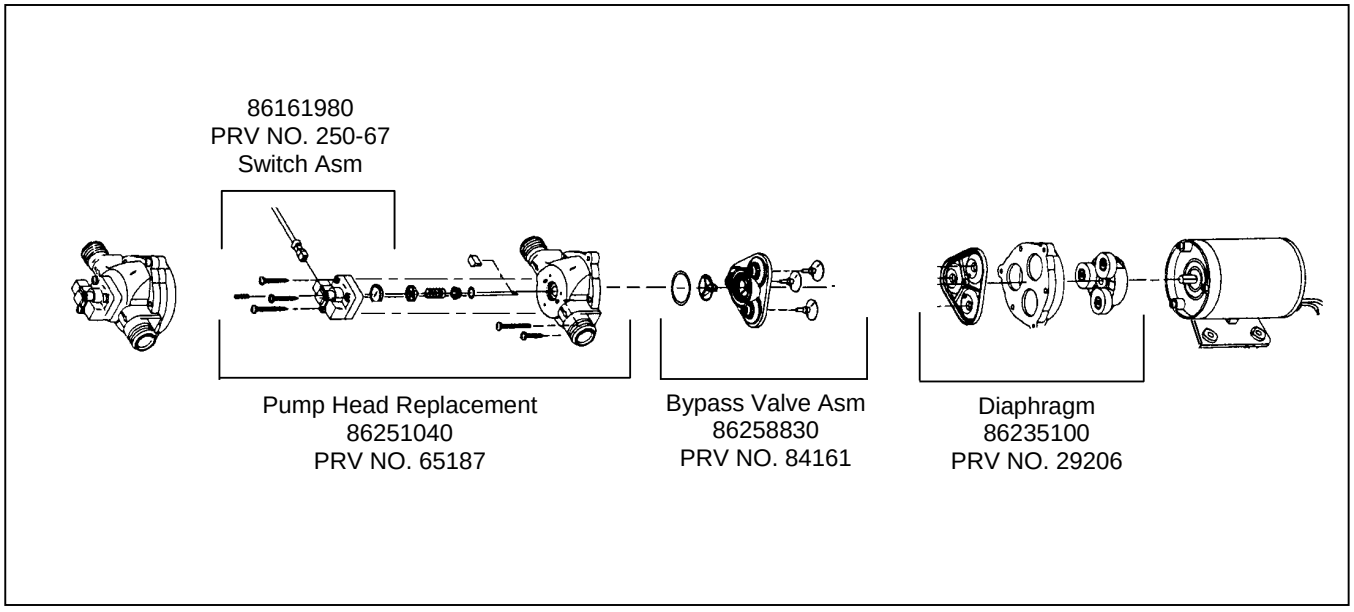
VACUUM MOTOR REPLACEMENT

1. Turn off all switches and unplug machine.
2. Tip recovery tank to expose vacuum (s).
3. Locate the proper vacuum motor wires and disconnect.
4. Unfasten screws holding vacuum to vac plate. Remove the vacuum motor.
5. Reverse process to install vacuum motor replacement.

PUMP REPLACEMENT KITS 100 PSI - FLOJET 86251120 PRV NO. (65220)



PUMP REPLACEMENT KITS 100 PSI-SHURFLO 86201440, PRV NO. (250-64B) PRIOR TO SN# 1000107206

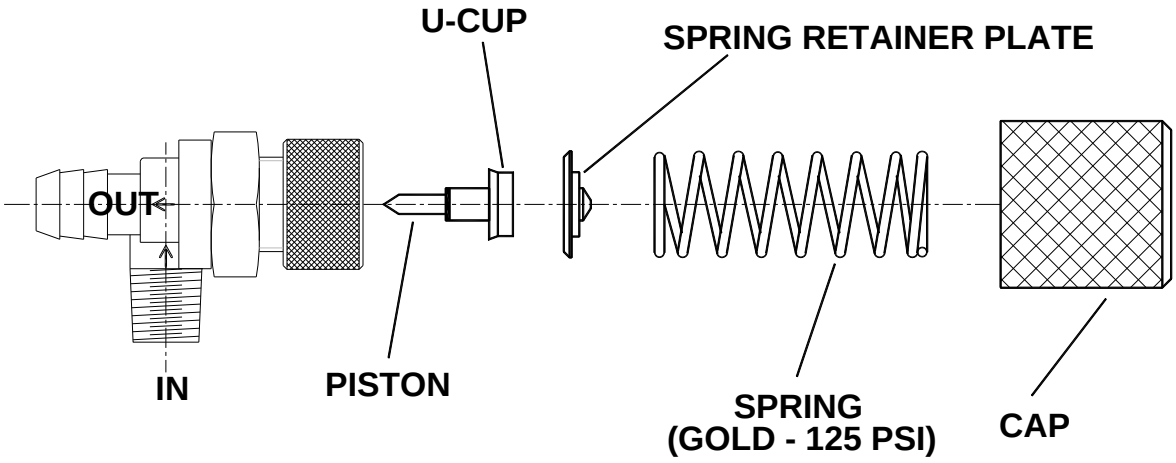


PRESSURE REGULATOR

For best results with the pressure regulator, we recommend that you clean and lubricate the piston and u-cup with Superlube lubricant monthly or when pressure drop seems excessive.

1. Turn unit off before lubricating.
2. Remove cap, spring and spring retainer plate.
3. With fingertips remove piston and u-cup.
4. Wipe piston and u-cup clean of any film or scale.
5. Lubricate the piston and u-cup with Superlube.
6. Reassemble regulator.
7. With pump ON, re-adjust pressure regulator for normal operation.

LUBRICATE U-CUP WITH SUPERLUBE MONTHLY.



TROUBLESHOOTING

PROBLEM	CAUSE	SOLUTION
Loss of Power	Dead electrical circuit	Check building circuit breaker or fuse box.
	Faulty power cord	Replace
Electrical shock	Equipment not grounding	Follow grounding instructions exactly
	Receptacle not grounded	Contact an electrician to check building's wiring
	Internal wiring problem	Have a trained service technician check machine's wiring
Vac motor speed varies or doesn't run	Worn motor brushes	Replace
	Motor worn out	Replace
	Faulty switch	Replace
Loss of vacuum	Loose vacuum dome	Center and seal dome over tank
	Crack in dome of poor joint	Replace or repair using acrylic plastic cement only
	Lint or dirt clogging vacuum screen	With power off clean screen
	Loose cuffs on vacuum hose	Tighten cuffs turning counterclockwise
	Vac motor seals leaking	Replace
	Floor tool vac chamber clogged	Wash out with hose. Pick lint out with a wire
	Vac motor, hose, or dome gasket	Replace
Pump runs no solution	Pump inlet screen plugged	Clean inlet screen
	Pump air locked	Press trigger to open valve on cleaning wand to relieve air
	Internal or external solution line damaged and leaking	Replace
Pump runs, loss of pressure	Internal pump components wearing out	Replace, see pump kit components (Pg 4-3)
	Check BPR for particles or cuts in seals	Take piston from BPR and lubricate with Superlube. If problem still exists change BPR.
Pump will not run	Unit not plugged in	Connect unit to 3 prong grounded outlet
	Loose wiring	See dealer
Solution hose fitting hard to connect	Corrosion on fittings.	Clean with steel wool. Soak in acetic acid (white vinegar). Lubricate lightly with silicone base lubricant.
Carpet not getting clean	Severe soil conditions	Make several passes at right angles to each other. Use a pre-spray.
Carpet too wet	Over saturation	Check solution wand. Make several passes without spray
Carpet browning	Leaving carpet too wet	Check for loss of vac pressure
	Too much chemical	Check label for correct solution concentration
	Light carpet with no brown prevention	Go over carpet with browning prevent only
Solution not flowing properly	Solution hose connection	Check for positive connection
	Faulty pump	Repair or replace
	Faulty floor tool valve	Repair or replace
	Faulty pump switch	Repair

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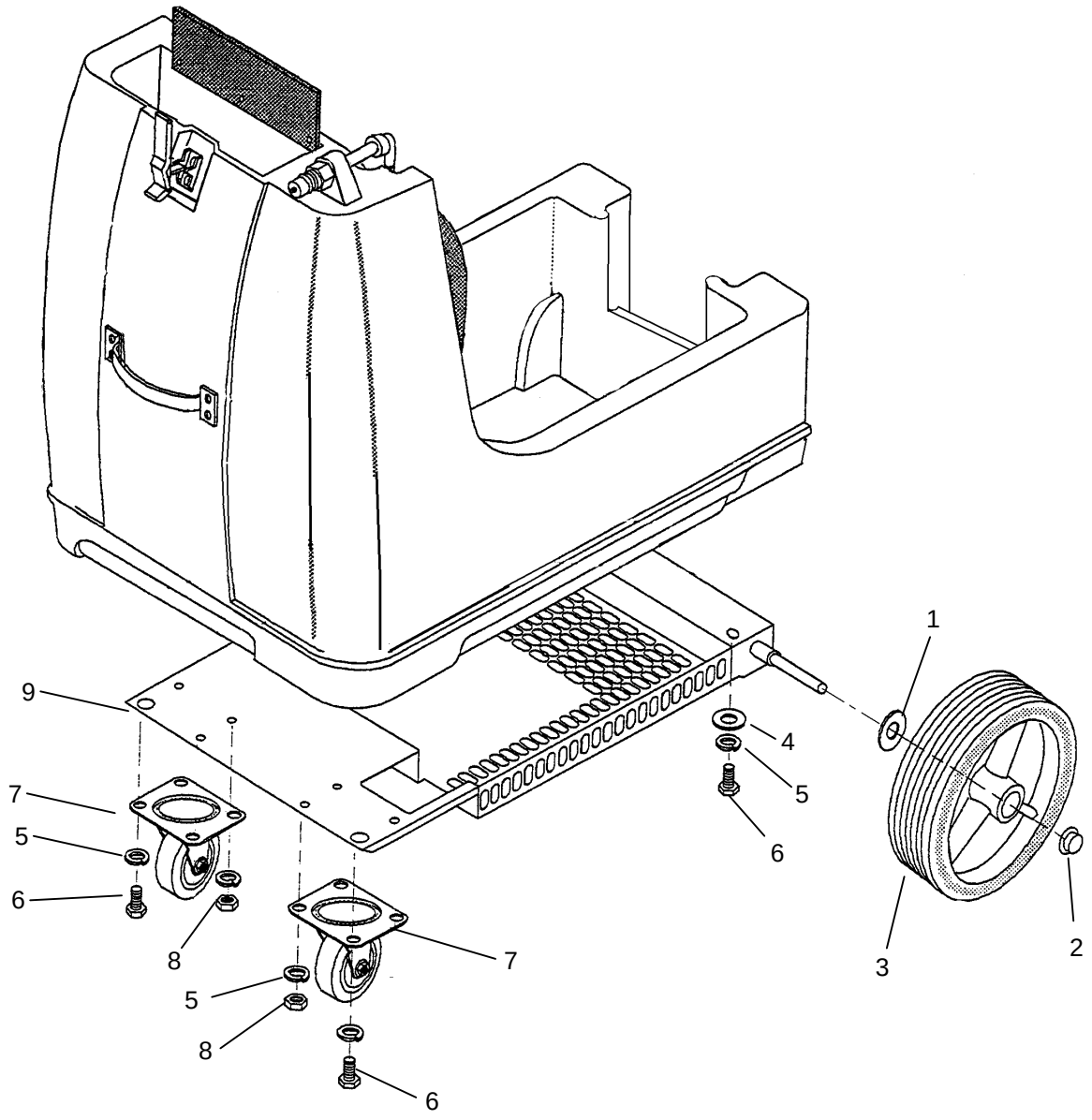
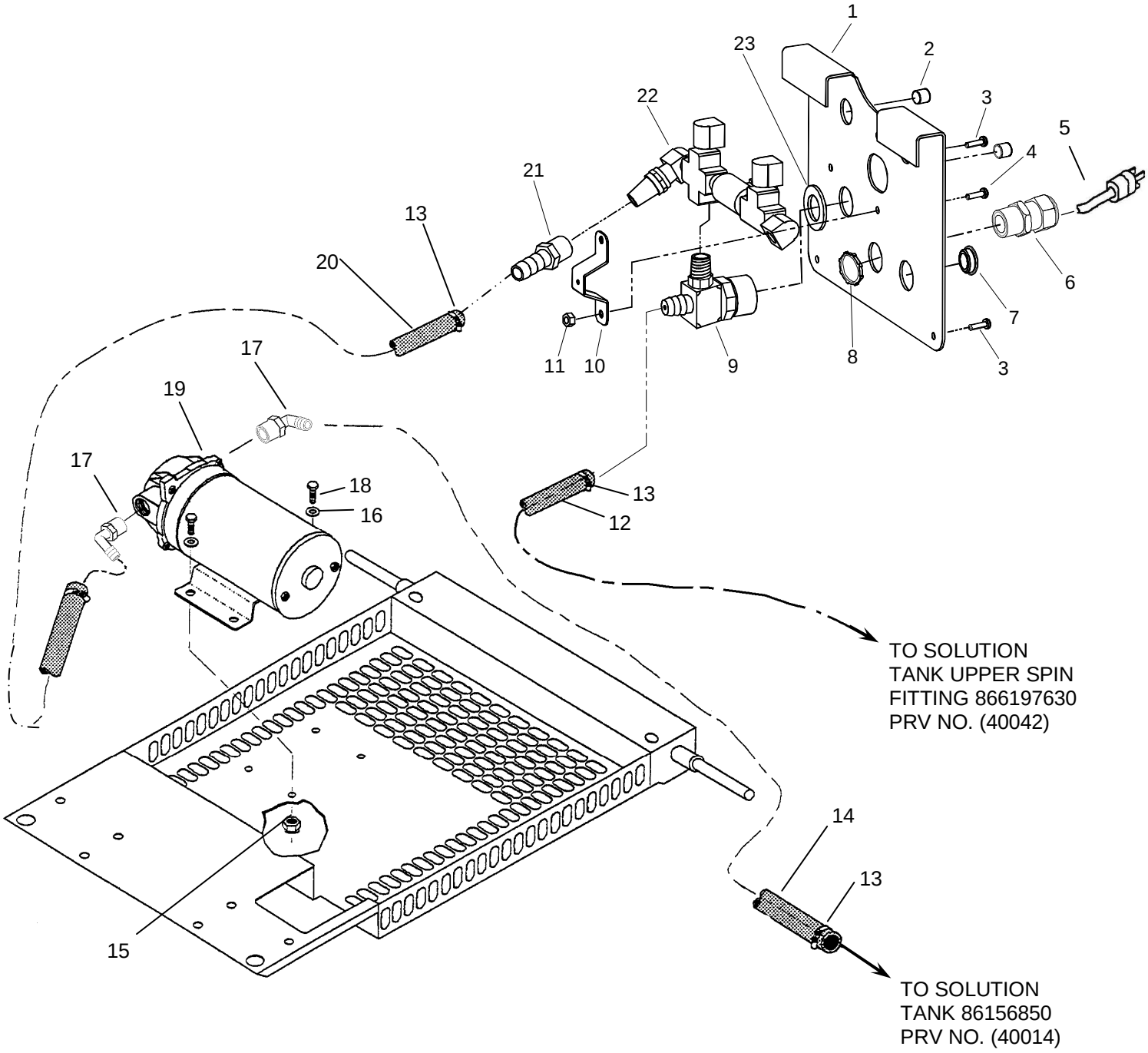
BASE GROUP



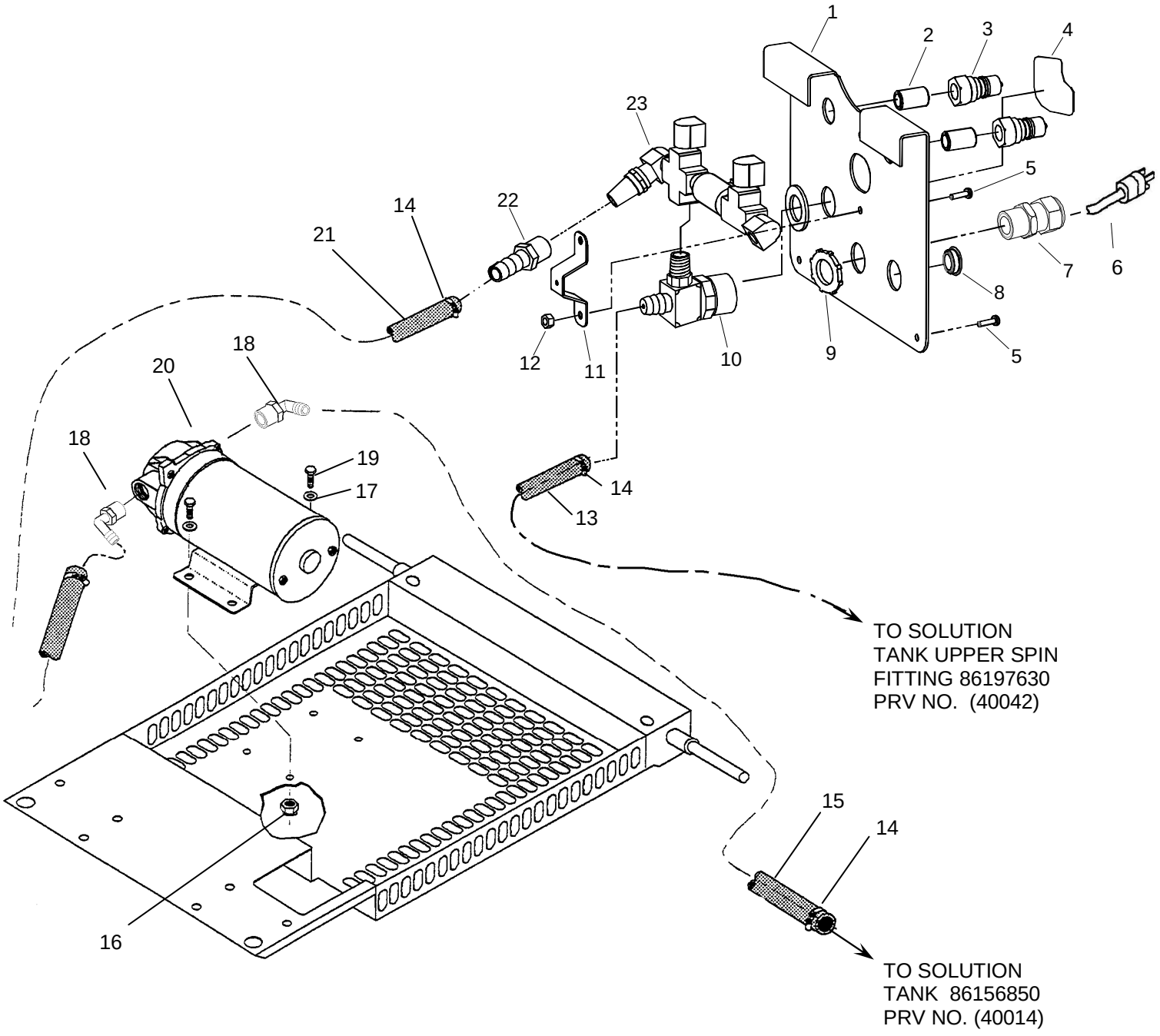
REF	PART NO.	PRV NO.	QTY	DESCRIPTION	SERIAL NO. FROM	NOTES:
1	86010710	87080	2	WASHER, .5 X 1.25 FLAT GR8 PLT		
2	86271380	57196	2	NUT, 1/2 DOMEPUSH STL ZNPLT		
3	86202250	040-06	2	WHEEL 8" BLK CENTERED HUB		
4	86010760	87142	2	WASHER, .344 X .69 X .066 FLAT PLT		
5	86279130	87083	6	WASHER, 5/16 SPLIT LOCK PLTD		
6	86006760	70305	4	SCR, 5/16-18 X 3/4 HHCS		
7	86199430	040-03	2	CASTER SWIVEL 4"		
8	86270830	57023	2	NUT, 5/16-18 HEX		
9	86042310	56-502218	1	BASE ASM, CHEYENNE		

PUMP GROUP
100 PSI NO HEAT



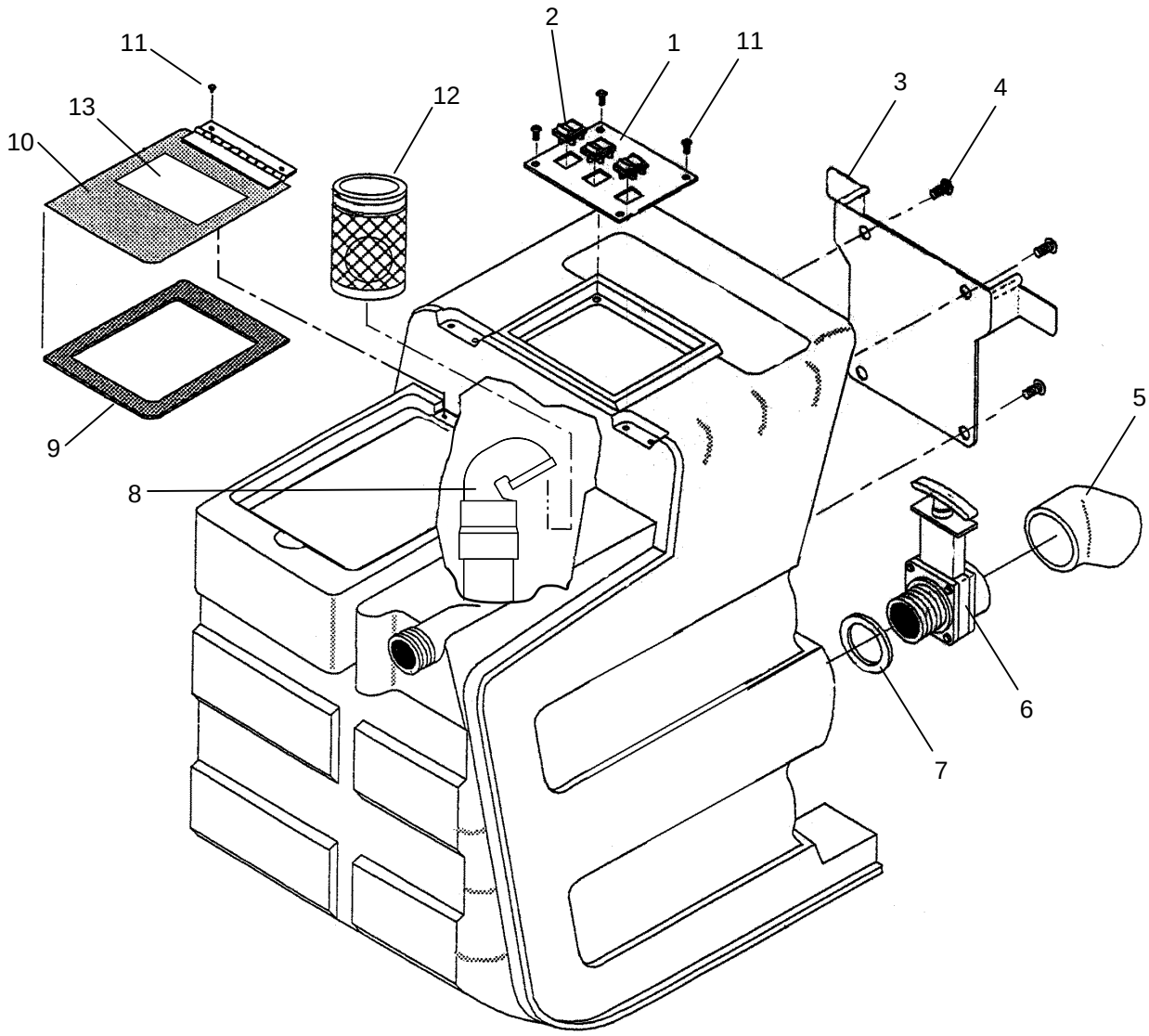
REF	PART NO.	PRV NO.	QTY	DESCRIPTION	SERIAL NO. FROM	NOTES:
1	86042450	62966	1	PLATE, MANIFOLD		
2	86272730	66017	2	PLUG, 1/4 BASS PIPE		
3	86002750	70088	1	SCR, 10-32 X 1/2 PPHMS SS		
4	86006590	70532	4	SCR, 10-32 X 1/2 PPHMS BLK		
5	86162280	64-950582	1	CORD, MOLD ENGLAND 220V 25’		
6	86256180	73195	1	STRAIN RELIEF, 1/2 NPT (.48ID)		
7	86199310	110-14	1	CAP PLUG 7/8”		
8	86005670	57040	1	NUT, 1/2 NPT CONDUIT		
9	86162060	84197	1	VALVE, BPR 125 PSI BRASS	1000132734	
10	86072720	14454	1	BRKT, VALVE		
11	86005700	57104	2	NUT, 10-32 W/STAR WASHER PLTD		
12	86164130	82859	1	HOSE, 1/2 NYLOBRAID 20”		
13	86222770	20042	6	CLAMP, 3/8 HOSE (D-SLOT)		
14	86280970	39233	1	HOSE 3/8 RUBBER X 17”		
15	86270990	57090	2	NUT, 10-32 NYLOCK SS		
16	86010650	87018	2	WASHER, #10 X 9/16 OD		
17	86001550	40043	2	HOSEBARB, 3/8MPT X 3/8 90D		
18	86276240	70614	2	SCR, 10-32 X 1 1/8 PPHMS SS		
19	86251120	65220	1	FLOJET 100PSI PUMP 220V	1000107206	
20	86280800	39031	1	HOSE, 3/8 RUBBER X 24”		
21	86157620	40015	1	HOSEBARB, 1/4FPT X 3/8		
22	86246850	54182	1	MANIFOLD, ASM		
23	86279530	87173	1	WASHER, .765 ID X 1.31 OD X .09 T		

PUMP GROUP
100 PSI WITH HEAT



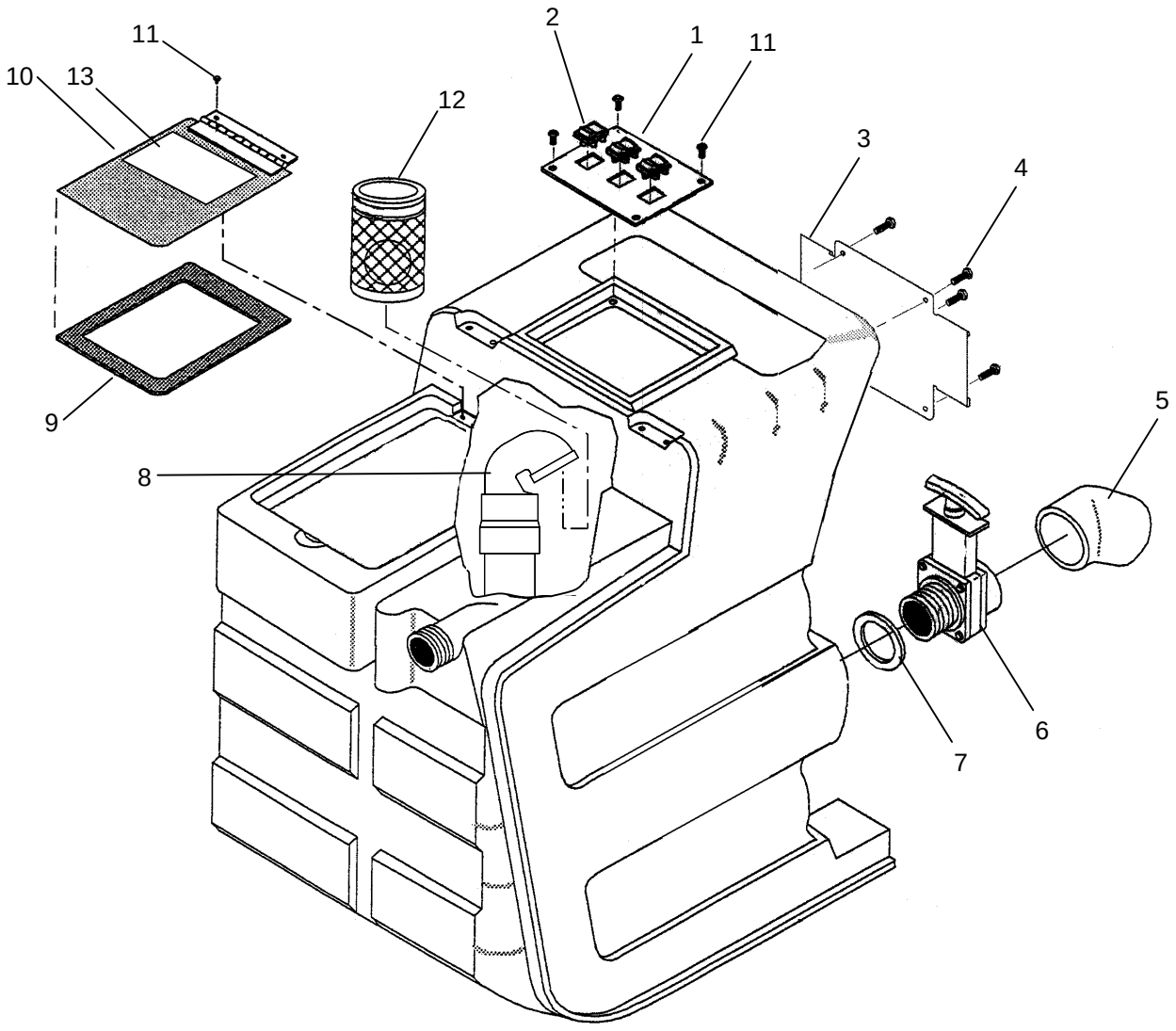
REF	PART NO.	PRV NO.	QTY	DESCRIPTION	SERIAL NO. FROM	NOTES:
1	86042450	62966	1	PLATE, MANIFOLD		
2	86005590	56014	2	NIPPLE, 1/4 CLOSE		
3	86005580	56012	2	NIPPLE, 1/4 FPT QD		
4	86161770	500452	1	LABEL, HEATER		
5	86006950	70532	4	SCR, 10-32 X 1/2 PPHMS BLK		
6	86162280	64-950582	1	CORD, MOLD ENGLAND 220V 25’		
7	86256180	73195	1	STRAIN RELIEF, 1/2 NPT (.48ID)		
8	86199310	110-14	1	CAP PLUG 7/8”		
9	86005670	57040	1	NUT, 1/2 NPT CONDUIT		
10	86162060	84197	1	VALVE, BPR 125 PSI BRASS	1000132734	
11	86072720	14454	1	BRKT, VALVE		
12	86005700	57104	2	NUT, 10-32 W/STAR WASHER PLTD		
13	86164130	82859	1	HOSE, 1/2 NYLOBRAID 20”		
14	86222770	20042	6	CLAMP, 3/8 HOSE (D-SLOT)		
15	86280970	39233	1	HOSE 3/8 RUBBER X 17”		
16	86270990	57090	2	NUT, 10-32 NYLOCK SS		
17	86010650	87018	2	WASHER, #10 X 9/16OD		
18	86001550	40043	2	HOSEBARB, 3/8MPT X 3/8 90D		
19	86276240	70614	2	SCR, 10-32 X 1 1/8 PPHMS SS		
20	86251120	65220	1	FLOJET 100PSI PUMP 220V	1000107206	
21	86280800	39031	1	HOSE, 3/8 RUBBER X 24”		
22	86157620	40015	1	HOSEBARB, 1/4FPT X 3/8		
23	86246850	54182	1	MANIFOLD, ASM		
24	86279530	87173	1	WASHER, .765 ID X 1.31 OD X .09 T		

RECOVERY TANK GROUP
NO HEAT



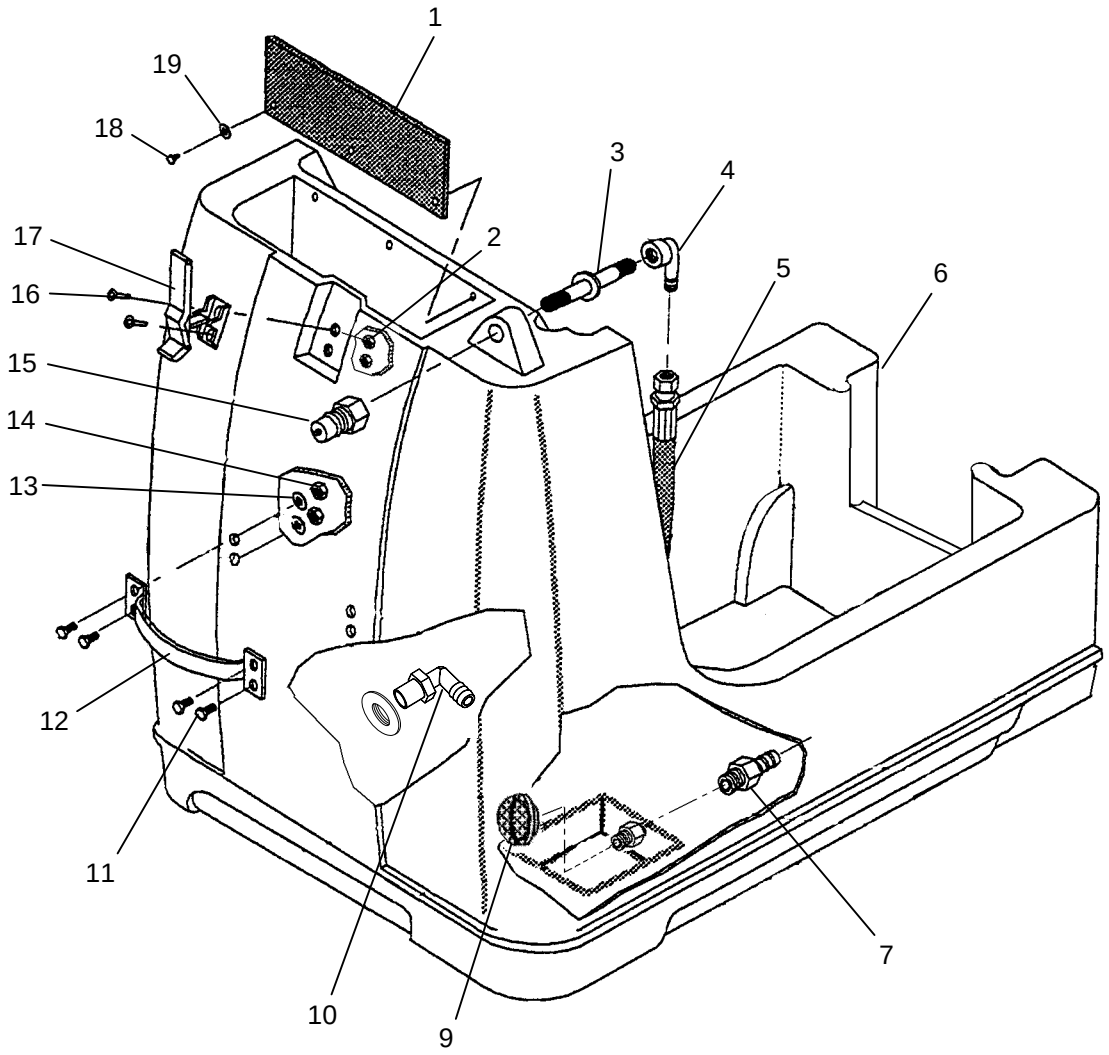
REF	PART NO.	PART NO.	QTY	DESCRIPTION	SERIAL NO. FROM	NOTES:
1	86161910	48-941382	1	PLATE, SWITCH MODEL 2		
2	86162010	32-900195	3	SWITCH, DPST, LIGHTED ROCKER		
3	86042360	56-502143	1	BRKT, CORD WRAP NO HEATER		
4	86275210	70384	4	SCR, 1/4-20 X 1/2 PHTR BLK		
5	86161470	11-800444	1	ELBOW, 2” 45D PVC SCH40		
6	86161460	15-808123	1	DUMP VALVE, 2’		
7	86237770	35256	1	GASKET, DUMP VALVE		
8	86033320	78474	1	VAC STACK ASM, 6 GAL PORTABLE		
9	86161510	43-807109	1	GASKET, VAC TANK		
10	86161820	56-502156	1	LID, VACUUM TANK		
11	86161960	70222	6	SCR, #8 X 1/2 PPHST BLK		
12	86199840	090-12A	1	FLOAT CAGE ASSY COMPLETE		
13	86231410	500009	1	LABEL, WARNING		

RECOVERY TANK GROUP WITH HEAT



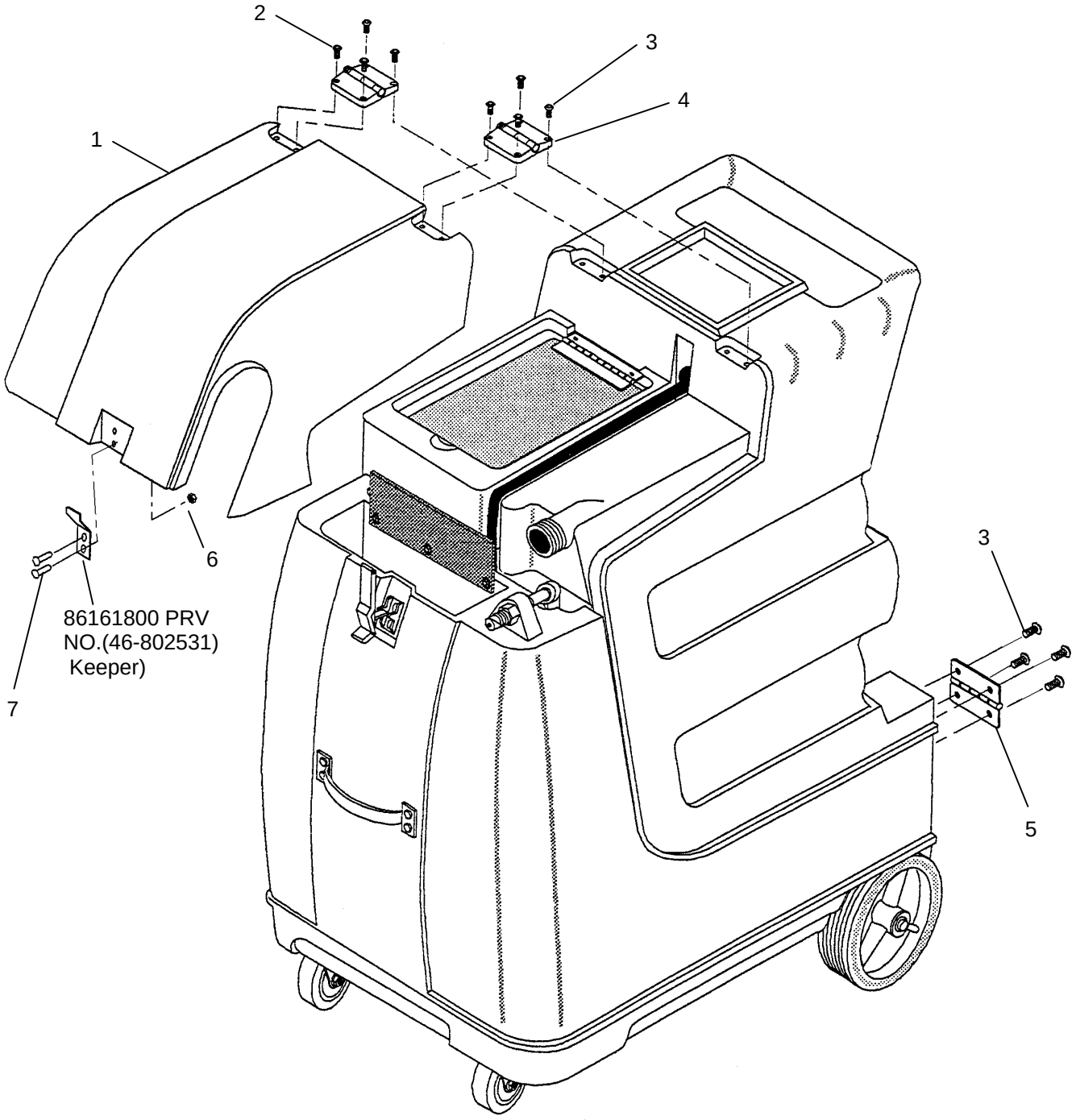
REF	PART NO.	PRV NO.	QTY	DESCRIPTION	SERIAL NO. FROM	NOTES:
1	86161910	48-941382	1	PLATE, SWITCH MODEL 2		
2	86162010	32-900195	3	SWITCH, DPST, LIGHTED ROCKER		
3	86042340	50-501882	1	BRKT, HEATER MOUNT		
4	86275210	70384	4	SCR, 1/4-20 X 1/2 PHTR BLK		
5	86161470	11-800444	1	ELBOW, 2” 45D PVC SCH40		
6	86161460	15-808123	1	DUMP VALVE, 2’		
7	86237770	35256	1	GASKET, DUMP VALVE		
8	86033320	78474	1	VAC STACK ASM, 6 GAL PORTABLE		
9	86161510	43-807109	1	GASKET, VAC TANK		
10	86161820	56-502156	1	LID, VACUUM TANK		
11	86161960	70222	6	SCR, #8 X 1/2 PPHST BLK		
12	86199840	090-12A	1	FLOAT CAGE ASSY COMPLETE		
13	86231410	500009	1	LABEL, WARNING		

SOLUTION TANK GROUP



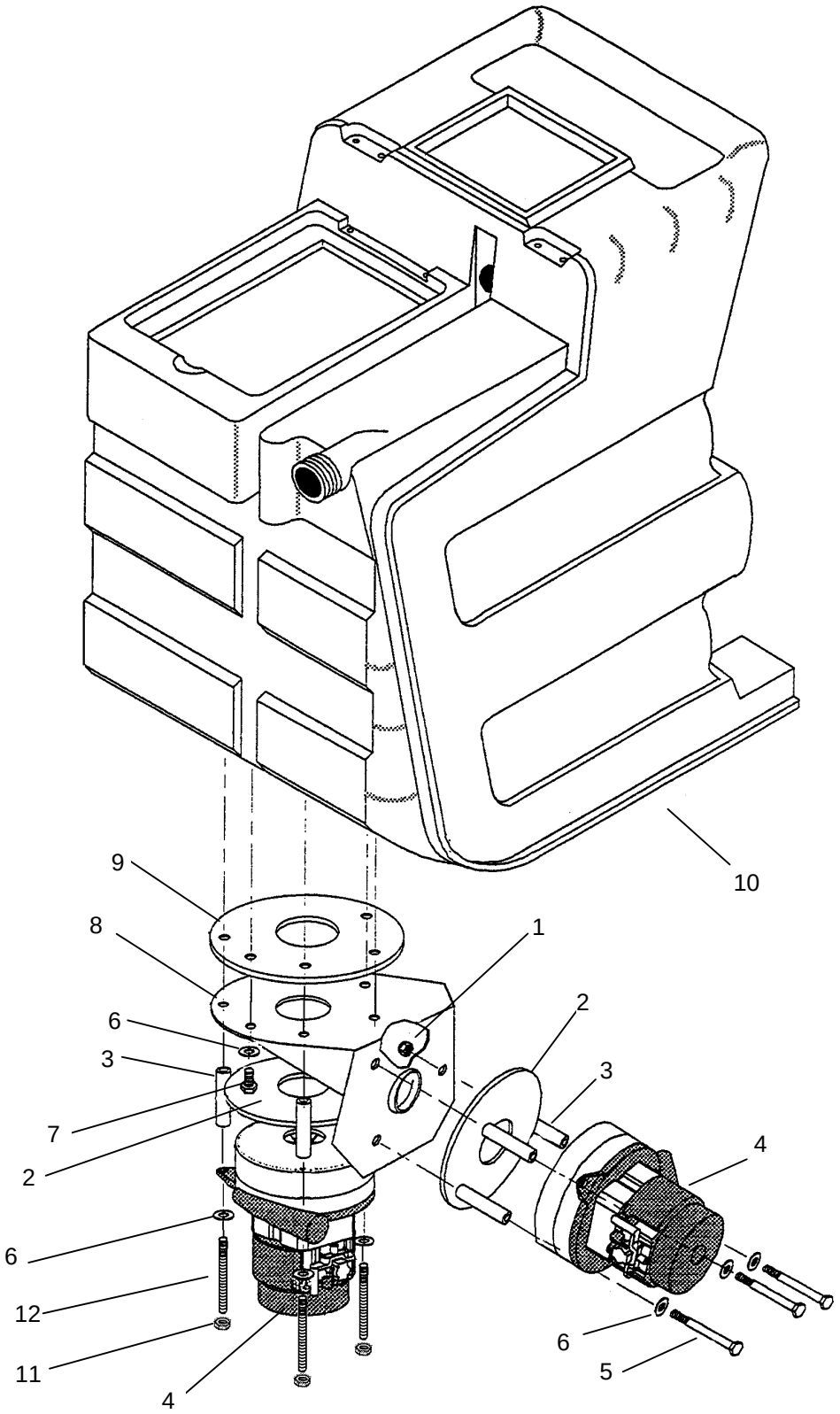
REF	PART NO.	PRV NO.	QTY	DESCRIPTION	SERIAL NO. FROM	NOTES:
1	86064530	43-807527	1	SPLASH SHIELD		
2	86005720	57106	2	NUT, 8-32 W/ STAR WASHER PLTD		
3	86042400	56-502126	1	NIPPLE ASSEMBLY, QD MOUNT		
4	86197370	31017	1	ELBOW, 1/4 FPT X 1/4 FPT		
5	86161650	39598	1	HOSE, HP 42. 1/4MPT X 1/4MPT		
6	86027130	75376	1	TANK SOLUTION		
7	86240490	40094	2	HOSEBARB, 1/4MPT X 3/8 NYLON		
8	-	OPEN	-	-		
9	86192840	290-08	1	STRAINER, 1/4 NPT 50 MESH		
10	86197940	40027	1	HOSEBARB, 3/8MPT X 1/2H 90D DL		
11	86211040	70744	4	SCR, 1/4-20 X 1 PFH BLK SS		
12	86199970	120-08	1	HANDLE, MACHINE BLACK		
13	86279610	87190	4	WASHER, SEAL 5/8 OD NEOPRENE		
14	86005810	57245	4	NUT, 1/4-20 HEX NYLOCK SS		
15	86005580	56012	1	NIPPLE, 1/4 FPT QD		
16	86020650	70051	2	SCR, 8-32 X 1/2 PPHMS NP		
17	86161800	46-802531	1	LATCH, CONCEALED KEEPER		
18	86161960	70222	3	SCR, #8 X 1/2 PPHST BLK		
19	86279190	87095	3	WASHER, #10 FLAT PLTD		

TANK & LID PARTS

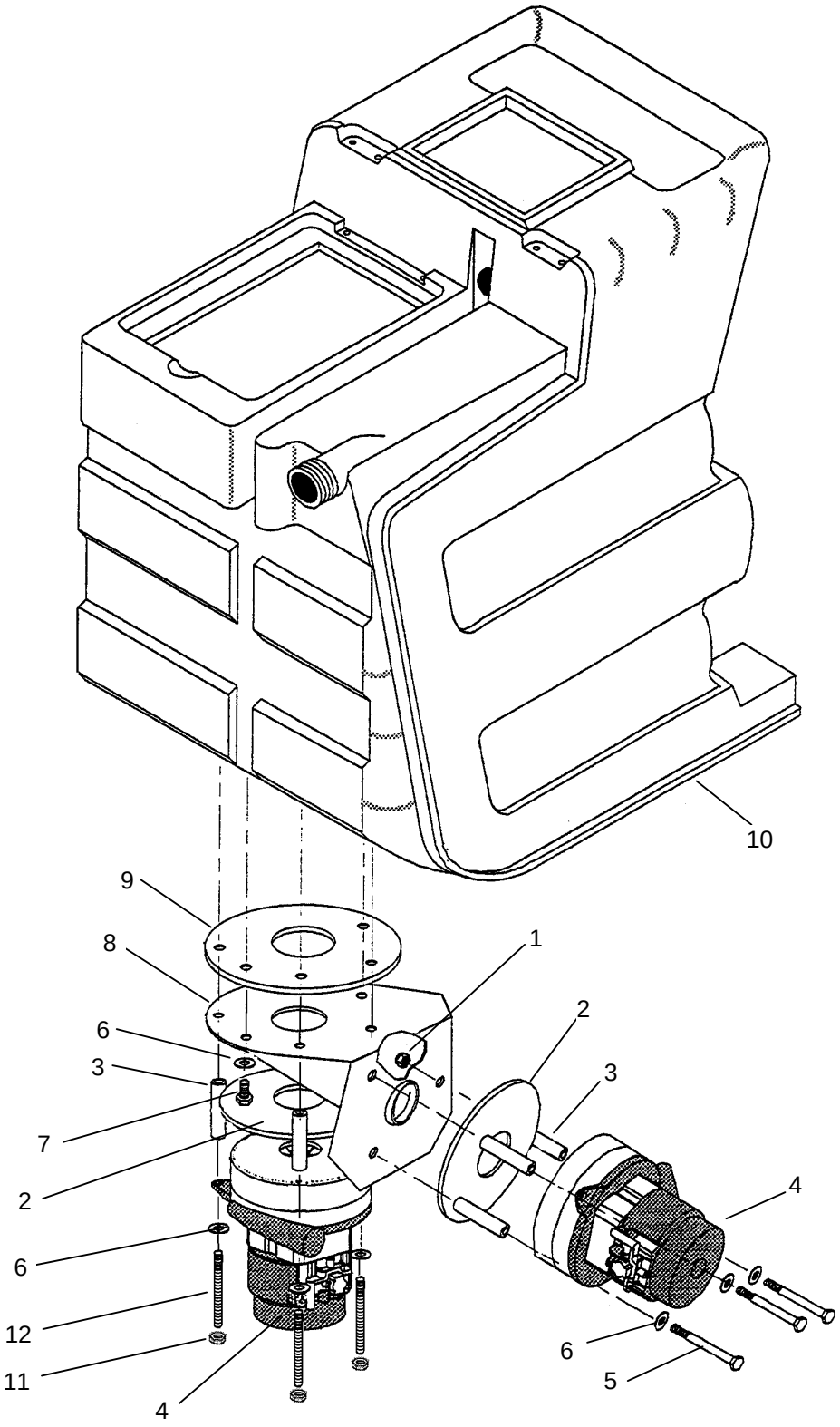


REF	PART NO.	PRV NO.	QTY	DESCRIPTION	SERIAL NO. FROM	NOTES:
1	86027120	51363	1	LID		
2	86161960	70222	4	SCR, #8 X1/2 PPHST BLK		
3	86006950	70532	12	SCR, 10-32 X 1/2 PPHMS BLK NP		
4	86161570	46-802530	2	HINGE, SOUTHCO C6-34		
5	86161590	46-802540	2	HINGE, SOL & VAC TANK		
6	86005720	57106	2	NUT, 8-32 W/ STAR WASHER PLTD		
7	86020650	70051	2	SCR, 8-32 X 1/2 PPHMS NP		

VACUUM GROUP
2 STAGE



REF	PART NO.	PRV NO.	QTY	DESCRIPTION	SERIAL NO. FROM	NOTES:
1	86005810	57245	3	NUT, 1/4-20 HEX NYLOCK SS		
2	86003760	35166	2	GASKET, VAC MTR		
3	86201970	065-92	6	VAC SPACER 2-1/4 II STAGE		
4	86004020	360-06	2	VAC MOTOR, 230V 5.7 2ST TD		
-	86230760	140216	-	BRUSH SET, 230V VAC AMETEK		SERVICE ONLY
-	86135330	140688	-	BRUSH SET, 230V VAC WINDSOR	*	SERVICE ONLY
5	86007010	70663	3	SCR, 1/4-20 X 3 1/4 HHCS PLT		
6	86010630	87013	9	WASHER, 1/4 ID X 5/8 OD SS		
7	86020270	70011	3	SCR, 1/4-20 X 5/8 HHCS SS		
8	86042350	56-502084	1	BRACKET, VACUUM MOUNT, 2 STAGE		
9	86161520	43-807517	1	GASKET, VAC MTG.		
10	86027140	75377	1	TANK, RECOVERY, CHEYENNE		
11	86005710	57105	3	NUT, 1/4-20 HEX W/ STAR WASHER		
12	86256480	70813	3	STUD, 1/4-20 X 3.5 SS		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2
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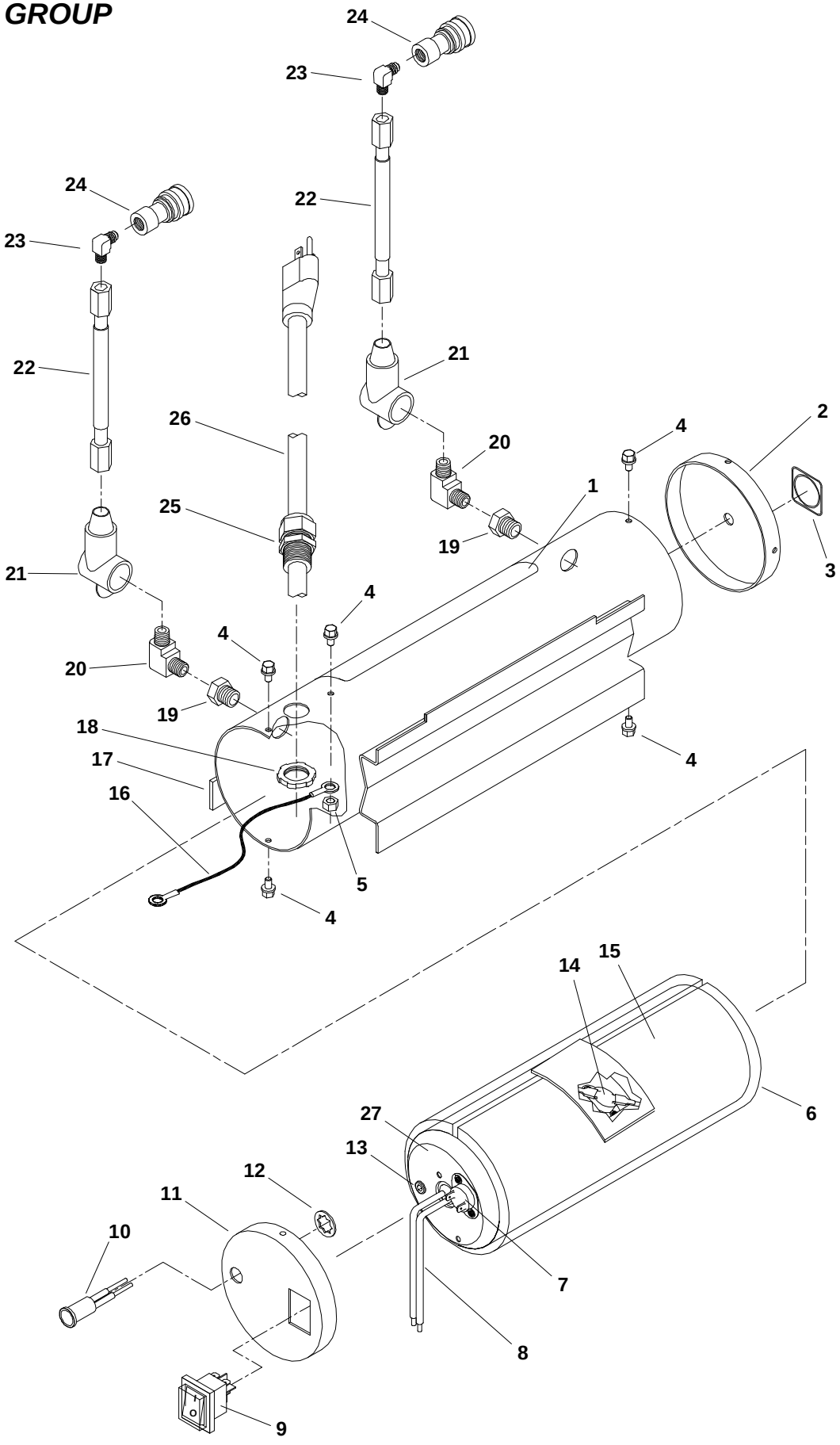
4
6
5

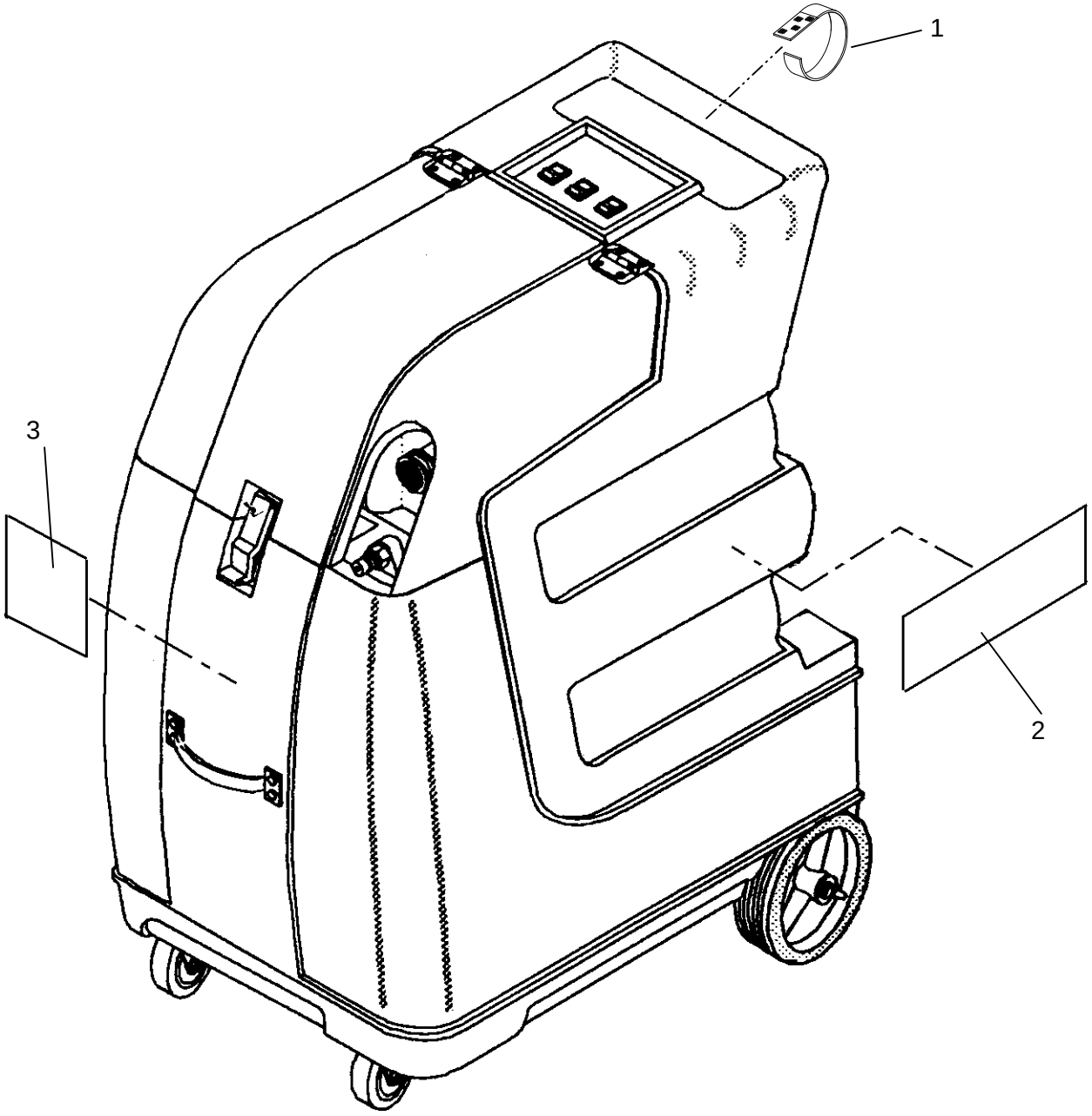
REF	PART NO.	PRV NO.	QTY	DESCRIPTION	SERIAL NO. FROM	NOTES:
1	86005810	57245	3	NUT, 1/4-20 HEX NYLOCK SS		
2	86003760	35166	2	GASKET, VAC MTR		
3	86201950	065-24E	6	VAC SPACER 3 1/8		
4	86202080	360-05B	2	VACUUM 116859-13 220V SM 3ST		
5	86216610	70062	3	SCR, 1/4-20 X 4 HHCS GR5 PLTD		
6	86010630	87013	9	WASHER, 1/4 ID X 5/8 OD SS		
7	86020270	70011	3	SCR, 1/4-20 X 5/8 HHCS SS		
8	86042320	56-502091	1	BRACKET, VACUUM MOUNT, 3 STAGE		
9	86161520	43-807517	1	GASKET, VAC MTG.		
10	86027140	75377	1	TANK, RECOVERY, CHEYENNE		
11	86027140	57105	3	NUT, 1/4-20 HEX W/ STAR WASHER		
12	86211180	70814	3	STUD, 1/4-20 X 4.5 SS		

HEATER GROUP

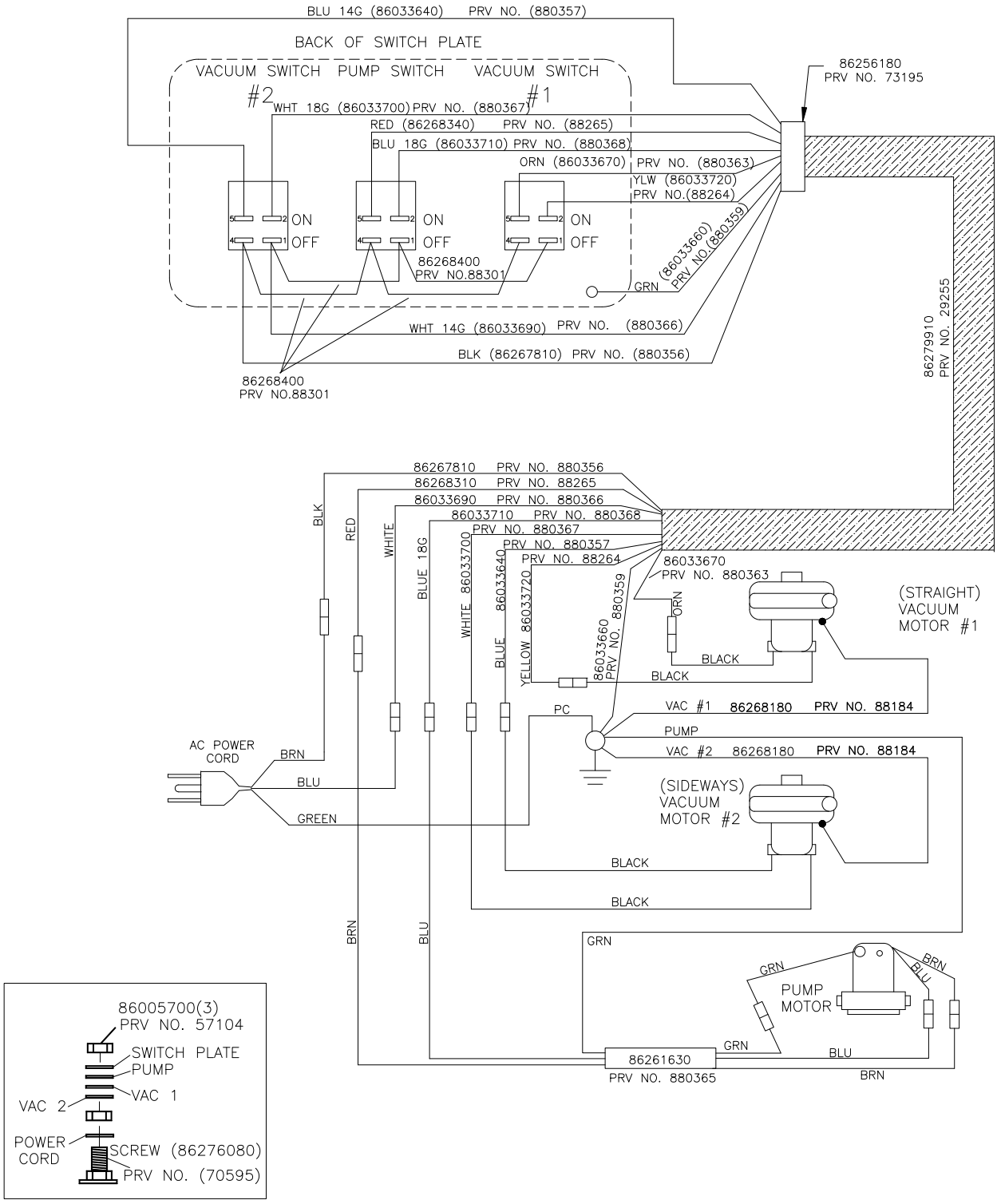


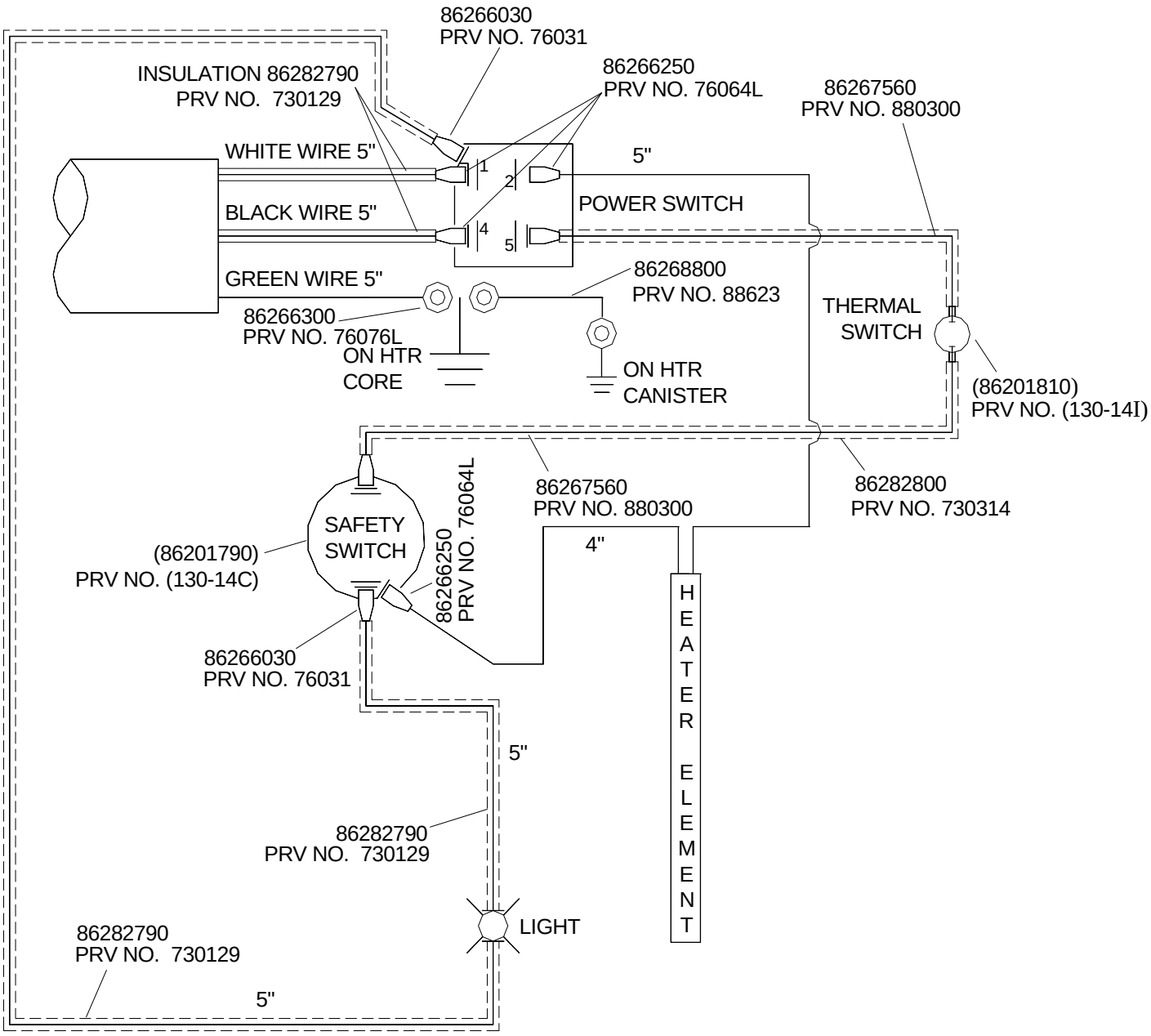
REF	PART NO.	PRV NO.	QTY	DESCRIPTION	SERIAL NO. FROM	NOTES:
1	86161750	48-941396	1	LABEL, HEATER WARNING PROCHEM		
2	86241010	41504	1	HOUSING, CAP OUTLET END NU		
3	86245650	50776	1	LABEL, FOR SAFETY		
4	86006790	70351	5	SCR, 10-32 X 3/8 HHTR W/STAR		
5	86005700	57104	1	NUT, 10-32 W/STAR WASHER PLTD		
6	86241470	41513	1	INSULATION, HEATER		
7	86201790	130-14C	1	THERMOSTAT RESET 302		
8	86201800	130-14	1	HEATER ELEMENT 110V		
9	86162010	32-900195	1	SWITCH, DPST, LGHTD RCKR GRN		
10	86246490	51041	1	LIGHT, 115V NEON INDICATOR		
11	86171080	41503	1	HOUSING, CAP SWITCH END NU		
12	86233480	22046	1	CLIP, NEON LAMP		
13	86006180	66095	1	PLUG, 1/8 MPT HEX BRASS		
14	86201810	130-14I	1	THERMOSTAT W/SPADE LEADS		
15	86264110	41514	1	INSULATION PAPER		
16	86268800	88623	1	WIRE, 4” G/Y/14 76010 X 76010		
17	86092890	41502	1	HOUSING ASM, HEATER PORT NU		
18	86005670	57040	1	NUT, ½ NPT CONDUIT		
19	86175890	11-800039	2	BUSH, ¼ x 1/8 BR		
20	86180360	12-800040	2	ELL, 1/8P X 1/4T BR		
21	86008920	80889	2	BOOT, RUBBER TERM. ISOLATOR		
22	86183990	10-805393	2	HOS, 3/16 X 14-1/4(1/4FT) BS		
23	86180340	12-800031	2	ELL, 1/4P X 1/4T BR		
24	86002450	22015	2	COUPLER, ¼ QD		
25	86256180	73195	1	STRAIN RELIEF, ½ NPT (.48ID)		
26	86199530	060-04	1	CORD ASM, 12/ SJT X 25’ BLK		
27	86326680	-	1	HEATER CART, CASE WELDED		
28	86200870	300-06A	3	PAN HD SH MTL SCREW 6 X 3/16 B		
29	86010650	87018	3	WASHER, #10 X 9/16 OD		

LABEL & STRAP GROUP



REF	PART NO.	PRV NO.	QTY	DESCRIPTION	SERIAL NO. FROM	NOTES:
1	86202160	320-05	1	VELCRO STRAP		
2	86243360	500531	2	LABEL, PROCHEM LOGO 6 X 1.75		
3	86161780	500567	1	LABEL, CHEYENNE MAIN		


BLU 14G (86033640) PRV NO. (880357)
BACK OF SWITCH PLATE
VACUUM SWITCH PUMP SWITCH VACUUM SWITCH
#2 #1
WHT 18G (86033700) PRV NO. (880367)
RED (86268340) PRV NO. (88265)
BLU 18G (86033710) PRV NO. (880368)
ORN (86033670) PRV NO. (880363)
YLW (86033720)
PRV NO.(88264)
ON
OFF
86268400
PRV NO.88301
(86033660)
PRV NO.(880359)
GRN
WHT 14G (86033690) PRV NO. (880366)
BLK (86267810) PRV NO. (880356)
86256180
PRV NO. 73195
86279910
PRV NO. 29255
86267810 PRV NO. 880356
86268310 PRV NO. 88265
86033690 PRV NO. 880366
86033710 PRV NO. 880368
PRV NO. 880367
PRV NO. 880357
PRV NO. 88264
BLK
RED
WHITE
BLUE 18G
WHITE 86033700
BLUE 86033640
YELLOW 86033720
86033660
PRV NO. 880359
86033670
PRV NO. 880363
ORN
BLACK
BLACK
(STRAIGHT)
VACUUM
MOTOR #1
PC
VAC #1 86268180 PRV NO. 88184
PUMP
VAC #2 86268180 PRV NO. 88184
AC POWER
CORD
BRN
BLU
GREEN
(SIDEWAYS)
VACUUM
MOTOR #2
BLACK
BLACK
BRN
BLU
GRN
GRN
BRN
BLU
PUMP
MOTOR
GRN
BLU
BRN
86261630
PRV NO. 880365
86005700(3)
PRV NO. 57104
SWITCH PLATE
PUMP
VAC 1
VAC 2
POWER
CORD
SCREW (86276080)
PRV NO. (70595)


86266030
PRV NO. 76031
INSULATION 86282790
PRV NO. 730129
86266250
PRV NO. 76064L
86267560
PRV NO. 880300
WHITE WIRE 5"
BLACK WIRE 5"
GREEN WIRE 5"
1
2
4
5
5"
POWER SWITCH
86268800
PRV NO. 88623
86266300
PRV NO. 76076L
ON HTR
CORE
ON HTR
CANISTER
THERMAL
SWITCH
(86201810)
PRV NO. (130-14I)
86267560
PRV NO. 880300
86282800
PRV NO. 730314
SAFETY
SWITCH
(86201790)
PRV NO. (130-14C)
86266250
PRV NO. 76064L
4"
HEATER ELEMENT
86266030
PRV NO. 76031
5"
86282790
PRV NO. 730129
LIGHT
86282790
PRV NO. 730129
5"

NOTES: